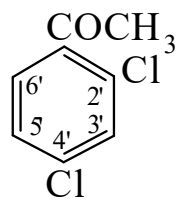




>>Entry Name: 2',4'-Dichloroacetophenone

Synonym(s): 1-(2,4-Dichlorophenyl)ethanone, 9Cl



CAS Registry Number: 2234-16-4

Molecular Formula: C₈H₆Cl₂O

Molecular Weight: 189.04

Accurate Mass: 187.979569

Percentage Composition: C 50.83%; H 3.20%; Cl 37.51%; O 8.46%

Melting Point: Mp 33-34°. Mp 42°

Boiling Point: Bp₅ 104-105°

Density: d₄²² 1.322

Aldrich: 17837-3

>>Derivative: Oxime

CAS Registry Number: 71516-67-1

Molecular Formula: C₈H₇Cl₂NO

Molecular Weight: 204.055

Accurate Mass: 202.990468

Percentage Composition: C 47.09%; H 3.46%; Cl 34.75%; N 6.86%; O 7.84%

Physical Description: Needles (EtOH)

Melting Point: Mp 152°. Mp 148°

>>Derivative: Semicarbazone

Physical Description: Needles (EtOH)

Melting Point: Mp 208°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 29B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1250A, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 32B, (*nmr*)

Kshatriya, K.C. *et al.*, *J. Indian Chem. Soc.*, 1947, **24**, 373

Lutz, R.E. *et al.*, *J.O.C.*, 1947, **12**, 678